

AMENDMENT TO THE CLAIMS

1. An object model for supporting an application programming interface to a natural language processing system ~~for that performs natural language processing of on a natural language input~~, comprising:

a set of classes, comprising a first subset of classes ~~part of which are configured to include context information, selectable by a client, and indicative representative of a desired-selected natural language processing (NLP) analysis set, the desired selected NLP analysis set being a selected one or more of a plurality of NLP analyses selected by the client to be performed on the natural language input by one or more NLP engines, and the set of classes being further comprising a second subset of classes~~ configured to receive the natural language input and provide analysis results for the ~~desired-selected~~ NLP analysis set represented by the first subset of classes.

2. The object model of claim 1 wherein the ~~set~~ first subset of classes comprises: a context class configured to include the context information; and wherein the second subset classes comprises a text class associated with the context class and invokable by an application and configured to receive the natural language input and provide the analysis results for the desired NLP analysis set in the associated context class.

3. The object model of claim 1 wherein the ~~set~~ first subset of classes is configured to expose the context information to integrate the plurality of NLP analyses across multiple languages.

4. The object model of claim 1 wherein the ~~set~~ first subset of classes is configured to expose the context information to integrate the plurality of NLP analyses across multiple lexicons.

5. The object model of claim 1 wherein the context information is included in members exposed by the ~~set~~ first subset of classes.

6. The object model of claim 1 wherein the context information includes a culture member indicative of whether automatic language detection is to be used.

7. The object model of claim 1 wherein the context information includes a lexicon member configured to load additional lexicons into the NLP system.

8. The object model of claim 1 wherein the context information includes a capabilities member indicative of NLP capabilities of the NLP system for a given language.

9. The object model of claim 1 wherein the context information includes a repeated words member indicative of whether the NLP system is to check for repeated words in the natural language input.

10. The object model of claim 1 wherein the context information includes a compound member indicative of whether the NLP system is to perform compound word analysis on the natural language input.

11. The object model of claim 1 wherein the context information includes an inflection member indicative of whether the NLP system is to generate morphological inflections of words in the natural language input.

12. The object model of claim 1 wherein the context information includes a lemma member indicative of whether the NLP system is to identify lemmas or stems of words in the natural language input.

13. The object model of claim 1 wherein the context information includes a Named Entity member indicative of whether the NLP system is to check for Named Entities in the natural

language input.

14. The object model of claim 1 wherein the context information includes a normalization member indicative of whether the NLP system is to identify normalizations for the natural language input.

15. The object model of claim 1 wherein the context information includes a single language member indicative of whether the natural language input is all in a single language.

16. The object model of claim 1 wherein the context information includes a spelling member indicative of whether the NLP system is to perform spelling related services on the natural language input.

17. The object model of claim 2 wherein the text class includes a TextChunk class having members exposed to receive the natural language input.

18. The object model of claim 17 wherein the TextChunk class has one or more members exposed to identify sentences of the natural language input already processed.

19. The object model of claim 17 wherein the TextChunk class has an exposed context member configured to identify the associated context class.

20. The object model of claim 17 wherein the text class includes a Sentence class having members exposed to receive a sentence in the natural language input.

21. The object model of claim 20 wherein the Sentence class includes members exposed to indicate analysis results for the sentence.

22. The object model of claim 20 wherein the Sentence class includes members exposed to indicate whether the sentence is an end of a paragraph in the natural language input.

23. The object model of claim 22 wherein the Sentence class includes members exposed to identify a tokenization of the sentence.

24. The object model of claim 22 wherein the NLP class includes a Segment class associated with a portion of the natural language input and having members exposed to indicate the analysis results of the ~~desired~~-selected NLP analysis set for the associated portion of the natural language input.

25. The object model of claim 24 wherein the members exposed by the Segment class include an alternative member indicative of an alternative tokenization of the associated portion of the natural language input.

26. The object model of claim 24 wherein the members exposed by the Segment class include one or more semantic analysis members indicative of results of a semantic analysis of the associated portion of the natural language input.

27. The object model of claim 24 wherein the members exposed by the Segment class include one or more syntactic analysis members indicative of results of a syntactic analysis of the associated portion of the natural language input.

28. The object model of claim 24 wherein the members exposed by the Segment class include one or more part-of-speech analysis members indicative of results of a part-of-speech analysis of the associated portion of the natural language input.

29. The object model of claim 24 wherein the members exposed by the Segment class include

one or more lexicon members indicative of a recognition of the associated portion of the natural language input by a lexicon.

30. The object model of claim 29 wherein the one or more lexicon members include an annotation property that identifies annotations associated with an entry in the lexicon that spawned the recognition.

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